

a main objective, configured to generate the specimen image in a viewer beam path;
and
a beam splitter configured to reflect the optical signal into the viewer beam path,
wherein the optical signal is generated by a display, and an illumination of the display
is selectable among the main light source illumination, a secondary light source illumination,
and both, and

wherein the secondary light source illumination is adjustable as a function of the main
light source illumination.

14. (New) The device as in claim 13, wherein the device is a microscope. ✓

15. (New) The device as in claim 13, wherein the display is a transmitted-light
display. ✓

16. (New) The device as in claim 13, wherein the display is a reflective display. ✓

17. (New) The device as in claim 13, wherein the display is a Direct-Drive Image
Light Amplifier™ display. ✓

18. (New) The device as in claim 13, wherein the illumination of the display by the
main light source illumination is indirect, wherein the display is illuminated substantially by
light reflections of the main light source illumination from the specimen.

19. (New) The device as in claim 18, further comprising one of an additional light
source and an electronically controlled residual light amplifier configured to amplify the
brightness of the indirect main light source illumination.

20. (New) The device as in claim 18, wherein the specimen image is imaged on the
display via the indirect main light source illumination.

21. (New) The device as in claim 20, wherein the specimen image imaged on the display is adjustable.

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22. (New) The device as in claim 20, further comprising a diffusion unit configured to reduce a sharpness of the specimen image imaged on the display.

23. (New) The device as in claim 13, wherein the illumination of the display is selectable among a direct main light source illumination and an indirect main light source illumination, and wherein, in the indirect main light source illumination, the display is illuminated substantially by light reflections of the main light source illumination from the specimen.

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24. (New) The device as in claim 13, further comprising one of an optical prism and a mirror configured to select the illumination for the display from among the main light source illumination, the secondary light source illumination, and both.

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25. (New) The device as in claim 13, further comprising a beam splitter configured to reflect a portion of the main light source illumination into a display illumination beam path.

26. (New) The device as in claim 13, wherein a brightness of the secondary light source illumination is electronically adjustable.

27. (New) The device as in claim 13, wherein a brightness of the secondary light source illumination is adjusted to substantially correspond to a brightness of the specimen image.

28. (New) The device as in claim 13, wherein a brightness of the secondary light source illumination is adjustable so that each pixel of the optical signal substantially corresponds to a brightness of a corresponding pixel of the specimen image.

29. (New) The device as in claim 13, wherein a brightness of the secondary light source illumination is adjustable in mechanically overwritable fashion.

30. (New) The device as in claim 13, wherein a brightness of the specimen image is adjustable by one of a shutter and a diaphragm.

31. (New) The device as in claim 13, wherein a light wavelength of the secondary light source illumination is adjustable.

32. (New) The device as in claim 13, wherein a light wavelength of the secondary light source illumination is adjusted to contrast with a light wavelength of the specimen image.

B1 33. (New) The device as in claim 13, wherein a light wavelength of the secondary light source illumination is adjustable so that each pixel of the optical signal contrasts with a light wavelength of a corresponding pixel of the specimen image.

34. (New) The device as in claim 13, further comprising a secondary light source to generate the secondary light source illumination.

35. (New) The device as in claim 13, wherein the device is a surgical microscope.

36. (New) A device for controlling the brightness of an optical signal overlaid on a specimen image, comprising:

a main light source configured to illuminate a specimen with a main light source illumination;

a main objective, configured to generate the specimen image in a viewer beam path; and

a beam splitter configured to reflect the optical signal into the viewer beam path, wherein the optical signal is generated by a display, and the main light source is configured to illuminate the display with an indirect main light source illumination, and

wherein the display is illuminated substantially by light reflections of the main light source illumination from the specimen.) *for 3b*

37. (New) The device as in claim 36, wherein the illumination of the display is selectable among a direct main light source illumination and the indirect main light source illumination.

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cont. 38. (New) The device as in claim 36, wherein the illumination of the display is selectable among a main light source illumination and a secondary light source illumination.) *type*
for

39. (New) The device as in claim 38, wherein the secondary light source illumination is adjustable as a function of the main light source illumination.

40. (New) The device as in claim 36, further comprising a beam splitter configured to reflect a portion of the specimen image into a display illumination beam path.)

In the Drawings:

Please amend the drawings as shown in red on the attached Proposed Changes to the Drawings. Formal drawings will be submitted in due course.